

WHAT IS CLAIMED IS:

1. A method for reducing a call fee by improving the efficiency of mobile communication by utilizing a short message service (SMS) in a portable mobile terminal to display an advertisement, comprising the steps of:

receiving and storing advertisement data and advertisement schedule data from an SMS-based advertisement service provider; and

displaying on a portable mobile terminal the advertisement data according to the advertisement schedule data.

2. The method as claimed in claim 1, further comprising the steps of:
accessing a server of the SMS-based advertisement service provider to select a desired advertisement and a desired advertisement time; and

sending a phone number of the portable mobile terminal to the server for subscribing the SMS advertisement service.

3. The method as claimed in claim 1, wherein an SMS message includes an advertisement identifier (Ad ID) indicating that the SMS message is an advertisement message.

4. The method as claimed in claim 1, wherein the advertisement schedule data comprises:

start time information of the advertisement;
expiration time information of the advertisement; and
display day information of the advertisement.

5. The method as claimed in claim 4, wherein the advertisement schedule data further comprises:

rotation time information of the advertisement; and
display duration time information of the advertisement.

6. A method for providing an advertisement using an SMS service in a portable mobile terminal, comprising the steps of:

accessing a server of an SMS-based advertisement service provider to select at least one desired advertisement and at least one desired advertisement time and to input a phone number of the portable mobile terminal for receiving data related to a selected advertisement;

receiving the selected advertisement data and an associated advertisement schedule from the server;

storing the received advertisement data in a memory of the portable mobile terminal in a predetermined advertisement data format; and

storing the received advertisement schedule data in the memory in a predetermined advertisement schedule data format.

7. The method as claimed in claim 6, further comprising:

displaying the selected advertisement data according to the advertisement schedule data; and

returning to an initial screen mode after displaying the advertisement for a specified time according to the advertisement schedule data.

8. The method as claimed in claim 6, where the advertisement schedule data comprises start and expiration day information for the advertisement, display day information for the advertisement, and display duration time information for the advertisement.

9. The method as claimed in claim 8, further comprising a rotation time information for the advertisement schedule data if the selected advertisement time overlaps with at least one other selected advertisement time.

10. The method as claimed in claim 9, further comprising the step of alternatively displaying at least two advertisements in rotation according to the rotation time information.

11. A method for displaying an advertisement using an SMS service in a portable mobile terminal, comprising the steps of:

(a) checking an advertisement identifier (Ad ID) of a received message to determine whether the received message is an advertisement message;

5 (b) parsing, if the received message is found to be an advertisement message, advertisement data from advertisement schedule data and storing the parsed advertisement data and advertisement schedule data in a memory;

(c) utilizing the stored advertisement schedule data to determine whether to insert scheduled advertisement data into a display list;

10 (d) checking the advertisement schedule data to determine whether to delete expired advertisement data from the display list; and

(e) determining and displaying the advertisement data in the display list according to the advertisement schedule data.